

Date: Tue, 9 Aug 94 21:09:05 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #892  
To: Info-Hams

Info-Hams Digest                      Tue, 9 Aug 94                      Volume 94 : Issue 892

Today's Topics:

2m/11m crossband QSO: legal?  
CALL SIGNS ON MARINE VHF  
Charging gel cells  
CQ Delaware, Maine, New Mexico  
Daily Summary of Solar Geophysical Activity for 08 August  
Get Teslafied!  
Help! How to Improve my CW Speed?  
INFO WANTED: RF spectrum analyzers  
N Connector on 9913-What about Foil?  
Which code learning method? Why?  
WWW - Shortwave & Radio Catalog of Hypermedia Links #9 (includes MUF/LUF charts)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Mon, 8 Aug 1994 02:13:18 GMT  
From: netcomsv!netcom.com!linley@decwrl.dec.com  
Subject: 2m/11m crossband QSO: legal?  
To: info-hams@ucsd.edu

Thanks to all who replied. Judging by the number of responses over a 24 hr  
period, I seem to have pressed a hot button with a lot of people. I read  
97.111 (Authorized Transmissions) and 97.113 (Prohibited transmissions)  
and then posted my question because I didn't see non-emergency cross-service  
communications specifically allowed or disallowed. Anyway, I will look for  
other solutions. I just wish I could inspire my dad to want to get his ticket.

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Bruce James Robert Linley ---- linley@netcom.com ---- Amateur radio: KE6EQZ  
===== "This is glue. Strong stuff." =====

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Date: Tue, 09 Aug 94 19:54:50 EST  
From: news.his.com!his.com@uunet.uu.net  
Subject: CALL SIGNS ON MARINE VHF  
To: info-hams@ucsd.edu

T> Once I get my ham license from the FCC which call signs do I use when  
T>using the marine band VHF on my boat?Should I use the call sign I was  
T>issued when I registered the radio or should I use the call sign that the  
T>FCC will be sending me for amateur radio use?Thanx in advance.

The former. Use the appropriate call for the frequency you're on. If you  
use your ham call on a marine frequency you'll be operating out of band  
(i.e., illegally ...), & v.v.

/Paul - W3PH

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Date: 10 Aug 94 01:58:11 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Charging gel cells  
To: info-hams@ucsd.edu

Hi Mark,

How are things at old PU? (I'm assuming that you are the same Mark Connor  
that was there in ATMS when I worked there.) I don't have a specific answer  
to your question, but I might know where you can find one. The back issues of  
Home Power magazine are archived at the FTP site sunsite.unc.edu somewhere  
under /pub/academic/environment/alternative-energy/energy-resources. HP has  
lots of good info on batteries, solar power, wind power, etc. Most of the  
people that write for HP are hams, and much of the info is useful to hams that  
are interested emergency power.

Keith Lingwall, KB5NSD  
kb5nsd@bangate.compaq.com  
Network Server Manager  
Compaq Computer Corp.  
Houston, TX

\*\*\* Not an official spokesman for Compaq Computer Corp. \*\*\*

>Date: 8 Aug 1994 19:53:32 GMT  
>From: mozo.cc.purdue.edu!rain!mconner@purdue.edu  
>Subject: Charging gel cells  
>To: info-hams@ucsd.edu

>  
>I am looking for some info on charging gel cells. At what point  
>should you recharge the cell (drop to what voltage), and how do you  
>tell when the cell is fully charged? I put my cell on the charger  
>when it dropped to 11.6V, and monitored the voltage while charging.  
>The cell came back up to 13V fairly quickly, and after 2-3 hours the  
>The cell came back up to 13V fairly quickly, and after 2-3 hours the  
>charge current was down to about 70 mA. Since I was going to bed, I  
>disconnected the charger rather than leaving it on all night. Is  
>there a voltage or current threshold for determining when the battery  
>is fully charged? The cell has a 7Ah rating.

>  
>--  
>Mark D. Conner - N9XTN                      Opinions expressed here are  
>Dept. of Earth & Atmospheric Sciences      not necessarily those of the  
>Purdue Univ., W. Lafayette IN 47907 Government, DoD, Purdue, or  
>mconner@rain.atms.purdue.edu              the author.

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Date: Mon, 08 Aug 1994 10:26:31 -0700  
From: ihnp4.ucsd.edu!library.ucla.edu!agate!overload.lbl.gov!dancer.ca.sandia.gov!  
cronkite.nersc.gov!fastrac.llnl.gov!lll-winken.llnl.gov!apple.com!  
kip-109.apple.com!user@network.ucsd.edu  
Subject: CQ Delaware, Maine, New Mexico  
To: info-hams@ucsd.edu

Hi all-

I need Delaware, Maine, and New Mexico for Worked All States (WAS) on 20  
meters. Anybody in these three states interested in helping? Mail me with  
sked info for either 20 phone (14.175 on up), or 20 Pactor. These days I  
hang around 14.074  
on Pactor after about 2000 PDT (when the kids are in bed). Any help  
greatly appreciated!

73-

Bob Martin N6MZV                      \* rtm @newton.apple.com  
Apple Computer Inc                    \* 408-974-4700  
1 Infinite Loop MS 38-PAT            \* N6MZV @ N0ARY.#NOCAL.CA.USA.NOAM  
Cupertino, CA 95014

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the sole spotted region, was quiet and stable.

Solar activity forecast: solar activity is expected to be very low.

The geomagnetic field was quiet.

Geophysical activity forecast: the geomagnetic field is expected to be quiet for another day. A recurrent disturbance, likely related to a coronal hole, is due August 10.

Event probabilities 09 aug-11 aug

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 09 aug-11 aug

A. Middle Latitudes

Active	10/40/40
Minor Storm	05/20/20
Major-Severe Storm	01/10/10

B. High Latitudes

Active	15/50/50
Minor Storm	10/30/30
Major-Severe Storm	01/10/10

HF propagation conditions have remained normal. Normal conditions will continue through 09 August inclusive. On 10 or 11 August, a recurrent disturbance may produce minor signal degradation over the high and polar latitude paths. Some middle latitude night-sector circuits could also be affected on 11 August. Otherwise, near-normal propagation will continue.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 08/2400Z AUGUST

NMBR LOCATION LO AREA Z LL NN MAG TYPE

7762 N05W10 112 0100 CSO 07 008 BETA

REGIONS DUE TO RETURN 09 AUGUST TO 11 AUGUST

NMBR LAT LO

7757 N12 333

LISTING OF SOLAR ENERGETIC EVENTS FOR 08 AUGUST, 1994

A. ENERGETIC EVENTS:

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 08 AUGUST, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
NO EVENTS OBSERVED								

INFERRED CORONAL HOLES. LOCATIONS VALID AT 08/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS									
EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN	
NO DATA AVAILABLE FOR ANALYSIS									

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
07 Aug:	0031	0034	0037	B1.0						
	0039	0042	0044	B1.0						
	1805	1807	1810		SF	7762	N04E07			
	1932	1939	1947	B1.3	SF	7762	N05E06			
	1954	2001	2008	B2.4	SF	7762	N04E06			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7762:	0	0	0	3	0	0	0	0	003	(60.0)
Uncorrelated:	0	0	0	0	0	0	0	0	002	(40.0)

Total Events: 005 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
NO EVENTS OBSERVED.								

#### NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

Date: Tue, 9 Aug 94 16:14:21 -0500  
 From: news.delphi.com!usenet@uunet.uu.net  
 Subject: Get Teslafied!  
 To: info-hams@ucsd.edu

Calling all Telsaheads and would-be Teslaheads! Did you know H. G. Wells' "The Time Machine" was inspired by the eccentric genius and inventor Nikola Tesla? Or that he remained a virgin until his death (probably why he was such a prolific inventor!)?

Learn about the egocentric man behind the inventions. The new book TESLA by Tad Wise is available to you for free IF you correctly answer trivia questions on Nikola Tesla. HEY ALL YOU Twisted Trivia BUFFS...come check us out, eMail tdc@netcom.com.

Date: 7 Aug 1994 16:28:18 GMT  
 From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!sundog.tiac.net!

usenet.elf.com!news2.near.net!das-news.harvard.edu!husc-news.harvard.edu!  
husc.harvard.edu!isr.harvard.@@ihnp4.ucsd.edu  
Subject: Help! How to Improve my CW Speed?  
To: info-hams@ucsd.edu

I posted my article a couple of days ago, and Jim, WA6SDN, thought that it was a joke. I just wanted to let everyone know that it is not a joke, and that I am dead serious! I will summarize my question again.

I am having difficulty going over 30 WPM. I can copy solid at 25 WPM. I suspect that one of my problems might be that I can not "copy behind" or "copy in my head." I know that these skills are important, but I am not sure how I can develop them when I operate under the heavy QRM, QRN, and QSB. The band conditions have been very unfavorable lately, and I tend to write down everything so that I can figure out what is sent later even if I miss some letters here and there.

I should also add that I do not have my own rig. I only use the rig of my radio club, and I use it only once a week. So the overall situation is not very favorable, either. I am still working very hard to improve my CW speed, and managed to reach 25 WPM level a couple of months ago, but I guess I then hit a plateau. If anybody (either experienced or non-experienced, hams or non-hams) has any suggestions or advice for my improving CW speed, I will be truly grateful. My E-mail address is ys@isr.harvard.edu. Thanks.

73, Yuzuru Suzuki, AA1JA

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Date: 8 Aug 1994 19:25:23 GMT  
From: news.sprintlink.net!tequesta.gate.net!inca.gate.net!optronic@uunet.uu.net  
Subject: INFO WANTED: RF spectrum analyzers  
To: info-hams@ucsd.edu

Could anyone direct me to an article on building or company which sells RF spectrum analyzers for the budget minded Ham enthusiast. I would like to connect to a PC eventually, but for now I would take anything. Thanks, either e-mail or posts appreciated.

73               \  
Bob B.           \  
Orlando, FL     \  
KE4PGM           \  
optronic@gate.net \  
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Date: 9 Aug 1994 18:12:02 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!cat.cis.Brown.EDU!noc.near.net!  
jericho.mc.com!fugu!levine@network.ucsd.edu  
Subject: N Connector on 9913-What about Foil?  
To: info-hams@ucsd.edu

In article 1n1o@st6000.sct.edu, jotterso@sct.edu (Jeffrey Otterson) writes:  
-->All the 9913 that I've used had the foil bonded to the outside of the  
-->"tube" part of the coax. Just leave it there.  
-->  
-->Tell your friend to be aware that you need a special N connector for  
-->9913, it has a larger hole in the center pin to accept the larger center  
-->conductor...  
-->  
-->73 de n1kdo  
-->  
-->

Unless you are using the new 2 piece N-connectors which have  
a center pin sufficient for 9913.

The new 2 piece N connectors have the pin already attached  
to the housing. You solder through a hole in the pin to  
attach the center conductor to the pin, then solder through  
the body holes to connect the shield to the body, like a  
standard PL-259.

They are great.

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Bob Levine KD1GG 7J1AIS VK2GYN formerly KA1JFP  
levine@mc.com <--Internet email Phone(508) 256-1300 x247  
kd1gg@wa1phy.ma <--Packet Mail FAX(508) 256-3599  
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Date: Tue, 9 Aug 1994 18:03:03 GMT  
From: gsm001!gsmlrn@uunet.uu.net  
Subject: Which code learning method? Why?  
To: info-hams@ucsd.edu

David Jenkins (djenkins@jetson.uh.edu) wrote:  
: I took my Technician written tests Saturday (passed--yay!),: Anyway, here are my  
questions: should I continue with Farnsworth method?

Congratulations, see you on the air in a few months.

: If so, what are the recommended speeds for initial learning?

Anything OVER 17wpm. That's the "speed of fluency" (the speed where it sounds like one "word" instead of separate sounds) for most people.

I had been trying to learn code for almost 30 years. I had tried all sorts of tapes, programs, etc, finally I found a package called "Code Quick". With Code Quick, I went from barely 3 words a minute, a 30% score on the 5 wpm test to 100% score and over 2 minutes of perfect copy. If the examiners had kept the door closed to the room (I distract easily), I would have had close to 100%. This took me about 10 weeks of study and practice. My son (aged 12) is copying 100% at 4wpm and doing fairly well (but not 100%) at 6wpm in 6 weeks. He even likes the code.

: Oh, and one last thing: are there better PC Morse learning programs than Morse Tutor? If so, can you give me titles and possible sources? Thanks for your help and advice. I really want to learn code, but like everyone else, I want to make the process as painless as possible.

There is a program that works with code quick (costs extra), it has helped my son with the learning drills and games and helped me with the random words.

I found that the best way to pick up speed (for me) is to Jerry Ziliak, KB6MT's, high speed code course (farnsworth speed = 20wpm, starts at 3wpm, at 15wpm it switches to a farnsworth speed of 23 wpm) but I was totally wasting my time until I took the Code Quick course first.

His course is designed to start out with no knowledge, but initially it did not work for me. For you it may work.

Listening to random words and w1aw bullitens also helps. Listening to QSOs rarely does as many novices send code very sloppily and you become frustrated.

Always spend some time practicing at a word rate higher than what you can copy. For example, if you can copy at 3wpm, spend some time at 5wpm, if you copy at 5, spend time at 7wpm, etc.

Expect to practice at least an hour a day. If you feel that your brain

has "fried", or you are stuck, take a break, but spend a total of at least an hour a day.

73,

Geoff.

--

"I am number six. Others come and others go, but I am always number six."  
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N30WJ (215) 242-8712 gsm@mendelson.com

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Date: Tue, 9 Aug 1994 11:55:17 -0600

From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!

travelers.mail.cornell.edu!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!

newsxfer.itd.umich.edu!europa.eng.gtefsd.@@ihnp4.ucsd.edu

Subject: WWW - Shortwave & Radio Catalog of Hypermedia Links #9 (includes MUF/LUF charts)

To: info-hams@ucsd.edu

#### ANNOUNCEMENT

<a href="http://itre.uncecs.edu/radio/">Shortwave & Radio Catalog</a>

Shortwave / Radio Hypertext Catalog on the World Wide Web (WWW)

#### AVAILABLE NOW

##### ISSUE #9

\*\* NEW: Personal MUF/LUF Propagation Chart Generation

\*\* NEW: Number's Station Info via Mike Chase

A catalog of hypertext links to FTP, GOPHER, and WWW files and services for the Shortwave Listener and Radio enthusiast is now on-line. This issue includes links to broadcaster schedules, digital audio files, graphics, mediumwave, shortwave, FM, Ham Radio, FCC, and other files associated with radio.

#### IMPROVED HYPERTEXT FAQS

Ralph Brandi's FAQ material in hypertext form has been upgraded and is NOW available on this WWW server! In addition, over 100 hypertext links (and still growing) are listed. These include direct links to Shortwave, AM, and FM broadcasters, Solar reports and images, Free Radio Berkeley, audio files, ham radio info and much more. All these available with a click of your mouse

via NCSA's Mosaic (return key for NCSA lynx users).

The URL to put in your hotlist/bookmark file:

<http://itre.uncecs.edu/radio/>

**\*\* MUF/LUF \*\***

Maximum Usable Frequency, E-Cutoff a.k.a. Lowest Usable Frequency Charts

I have a WWW MUF/LUF tool based on "micromuf.bas" on-line! Fill out your location, transmitter location, and sun-spot info (links to solar info for the day, week and month available from the web page.) and an ASCII, WWW, or even a .GIF MUF/LUF propagation chart graphic file will be returned! Try out this interactive World Wide Web form.

Toward the Future

If you have a site or know of a site that maintains up-to-date information on radio topics, send me e-mail.

If your club would like to participate, (provide program schedules, club events, maintain files on individual broadcasters, etc.), send me e-mail.

If you are a radio broadcaster and have internet ftp files, gophers or WWW servers with program schedules, audio-on-demand files, or other information to share, send me e-mail.

I am also looking for UNIX software programs that could create propagation information in graphic form (GIF, JPEG, ???) that would be adapted to use WWW forms to send the graphic to the WWW user. If you know of a tool (read free program), send me e-mail.

My thanks to Jay Novello for providing his public access WWW server and to Ralph Brandi for providing the FAQ html files!

Pete Costello

[pec@joker.att.com](mailto:pec@joker.att.com)

<http://itre.uncecs.edu/radio/>>WWW folk click here!</a>

--

Peter Costello - [pec@joker.att.com](mailto:pec@joker.att.com)

All comments that have caused negative outcomes were either done under duress or when temporarily insane, so I'm not responsible for them (or this).

Add usual private and corporate disclaimers here: \_\_\_\_\_

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Date: 9 Aug 1994 15:05:06 -0400

From: news1.digex.net!access2!bote@uunet.uu.net

To: info-hams@ucsd.edu

References <31lc6h\$1m@ra.nrl.navy.mil>, <31thk7\$1e3@gopher.cs.uofs.edu>,  
<327st3\$c4m@athos.cc.bellcore.com>  
Subject : CB's is possessive; CBs is plural

CB's is the possessive form.

CBs is the plural form.

That's why I was confused by the title.

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rec.nude: your exit to good living along the Information Toll Road.  
finger bote@access.digex.net for PGP key and an operator will help you.  
Por via del empedrado de informacion.

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Date: Tue, 9 Aug 1994 21:23:47 GMT  
From: ihnp4.ucsd.edu!mvb.saic.com!unogate!news.service.uci.edu!usc!nic-  
nac.CSU.net!charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!wang!  
dbushong@network.ucsd.edu  
To: info-hams@ucsd.edu

References <327st3\$c4m@athos.cc.bellcore.com>, <bote.776459059@access2>,  
<328o88\$7ta@chnews.intel.com>m  
Subject : Re: CB's is possessive; CBs is plural

Cecil\_A\_Moore@ccm.ch.intel.com writes:

>In article <bote.776459059@access2>,  
>John Boteler <bote@access.digex.net> wrote:  
>>  
>>CB's is the possessive form.  
>>CBs is the plural form.  
>>  
>Mr. Webster says: "apostrophe - a mark ' used to indicate the omission  
>of letters or figures, the possessive case, OR THE PLURAL OF LETTERS OR  
>FIGURES." We had the same discussion regarding the plural of 73.

And to think that people waste their time discussing ham radio-related  
subjects here. Harrumph.

--

Dave Bushong

OPEN/image Recognition Products

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Date: 9 Aug 1994 23:00:14 GMT  
From: ihnp4.ucsd.edu!news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!  
charnel.ecst.csuchico.edu!csusac!csus.edu!dbrown@network.ucsd.edu  
To: info-hams@ucsd.edu

References <1994Aug9.133027.9422@ke4zv.atl.ga.us>, <3287n8\$dk7@cat.cis.Brown.EDU>,  
<1994Aug9.165654.13952@VFL.Paramax.COM>  
Subject : Re: Car warrantee and 2m radio

In article <1994Aug9.165654.13952@VFL.Paramax.COM>, Pete Rossi  
(rossi@VFL.Paramax.COM) wrote:  
: In article <3287n8\$dk7@cat.cis.Brown.EDU> md@pstc3.pstc.brown.edu  
(Michael P. Deignan) writes: : >  
: >1. Since a cellular phone is a two-way radio, I guess people  
: >who own Toyotas cannot have cell phones in their cars either?

: Simple, I bet you that the Toyota people don't classify a cellular phone  
: as a 2-way radio.

Well, there's a slight difference here... Something about the  
fact that a cellphone is 3 watts max. --

--

Dan Brown dbrown@zeugma.csusb.edu  
Bill of Rights: RIP, 1994

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End of Info-Hams Digest V94 #892  
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